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(54) Title: SILVER ALLOY COMPOSITIONS

(57) Abstract

Silver alloys having properties of fire scale resistance, reduced porosity and oxide formation and reduced grain size relative to traditional sterling silver alloys and useful work hardening performance are provided, comprising about 80 - 99.0 % by weight silver, about 0.5 - 6 % by weight copper, about 0.02 - 7 % by weight of a firescale resisting additive selected from one or a mixture of zinc and silicon, and about 0.01 - 2.5 % by weight germanium. Master alloys for production of the above alloys are also provided for, having the general composition comprising, by weight, about 2.5 - 99.85 % copper, about 0.1 - 35 % zinc or silicon or mixtures thereof, and about 0.05 - 12.5 % germanium.